



PTO/SB/21 (01-03)

Approved for use through 04/30/2003. OMB 0651-0031

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**TRANSMITTAL
FORM**

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/738,370	
	Filing Date	December 15, 2003	
	First Named Inventor	Andrews	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	38	Attorney Docket Number	02510

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
Remarks 5 references identified as nos. 10-14 on the Information Disclosure Statement Return receipt postcard		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Nora M. Tocups
Signature	<i>Nora M. Tocups</i>
Date	March 30, 2004

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: March 30, 2004			
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Signature	<i>Nora M. Tocups</i>	Date	March 30, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrews

Serial No.: 10/738,370

Examiner: Not Assigned

Filed: 12/15/03

Group Art Unit: 2643

For: METHODS AND SYSTEMS OF SPAN DESIGN

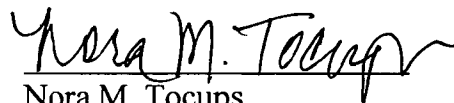
COMMISSIONER FOR PATENTS
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The citation of information on the attached Form PTO/SB/08, is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. Of the references cited, only reference nos. 10-14 are enclosed. The undersigned does not concede any of the identified materials constitute prior art within the meaning of the United States patent laws. This Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits; therefore, no payment is enclosed.

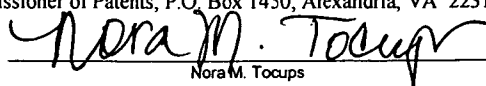
Respectfully submitted,


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CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this correspondence, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on March 30, 2004 with sufficient postage as first-class mail in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Nora M. Tocups



PTO/SB/08A (08-00)

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Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/738,370		
		Filing Date	December 15, 2003		
		First Named Inventor	Andrews		
		Group Art Unit			
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	0201-02510

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/D.A./	1	6,459,702		Saaverda	10/01/2002	
/D.A./	2	6,343,332		Ueda	01/29/2002	
/D.A./	3	6,091,713		Lochleider et al.	07/18/2000	
/D.A./	4	6,084,946		Beierle	07/04/2000	
/D.A./	5	6,085,956		Beierle	07/04/2000	
/D.A./	6	5,978,449		Needle	11/02/1999	
/D.A./	7	5,864,602		Needle	01/26/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/D.A./	8		WO 95/31865		British Telecommunications Public Limited Company	11/23/1995		
/D.A./	9		WO 97/19543		Voelker Technologies, Inc.	05/29/1997		

Examiner Signature	/Debra Antonienko/	Date Considered	03/24/2008
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Sheet 2	of 2	Attorney Docket Number	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/D.A./	10	"HEDLUND, E. et al., "DSL Loop Test," <i>Telephony</i> , August 24, 1998 (XP02147002)	
/D.A./	11	"ADSL Tutorial – Twisted Pair Access to the Information Highway," http://indy.ids.net/adsl/tutorial.html	
/D.A./	12	"Extending Asymmetric Digital Subscriber Line (ADSL) Services to Remote Digital Loop Carrier (DLC) Locations," <i>The International Engineering Consortium</i> , Web ProForum Tutorials http://www.iecorg , pp.1-19	
/D.A./	13	"General Introduction to Copper Access Technologies," <i>ADSL Forum</i> , 1998 (http://www.adsl.com/general_tutorial.html)	
/D.A./	14	"Making Connection Using ADSL," http://www.epl.co.uk/fastlane.htm , printed 6/15/00	

Examiner Signature	/Debra Antonienko/	Date Considered	03/24/2008
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.